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Monsanto

FROM (NAME, LOCATION, PHONE) **J. F. Giblin** F3EB Corporate Engineering (4-6142)

DATE July 16, 1982

SUBJECT PREPROJECT ENVIRONMENTAL CONTROL REVIEW CEA 3808, MAIN SOUTH TRUNK SEWER, WGK

REFERENCE

TO : B. J. Sevey - Project Manager CS7L

cc D. P. Brown/J. P. Hyland/ O. S. Ratterman - F3EB
M. L. Mullins/A. J. Heinze/ file - F3EA/EB
H. M. Keating/M. F. Weishaar - G4WA
R. Sinise - 1740
R. L. Wiese - CS7R

Date and Place of Review July 8, 1982 at Creve Coeur, MO

Copies to Others Attending

E. J. Forneris - 1740
K. W. Lichtenheld - CS7L
R. L. Nelson - 1740 (MR)
T. O'Connell - CS7V
G. Ostroot - F2WA
S. D. Paul - G2WB
S. D. Smith - 1740
D. L. Wasson - G4WA

Basis for Environmental Review

This project will provide a new 42 inch diameter Monsanto-owned trunk sewer to carry all the plant sewer load now carried by two Sauget Village sewers. The two village sewers have deteriorated due to high acidity of the plant waste and require extensive repairs; repair will be the responsibility of the village.

The new sewer will combine about 95% of the total plant sewer load into one discharge point where sampling and measuring devices will be provided. The sample house will have forced ventilation when employees are in the building.

The existing Sauget Village sewers will remain with a load from local small industries, residences, and storm water from the Dead Creek area. A cross-connection will be provided at the upstream end of the new sewer to allow the village to divert their flows to the new sewer while they repair their own.

Discussion

1. There were some concerns and questions from G. S. Sarber regarding what constitutes a reliable acid-proof sewer design in ground having unstable soil conditions, a high water table, and acid contamination from the adjacent leaking sewer.

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CEA 3808, MAIN SOUTH TRUNK SEWER,
WGK

B. J. Sevey - Project Manager
CS7L

2. The project cost ($5M) will be financed by Industrial Revenue Bonds.

3. Monitoring of the excavation will be done daily by the plant industrial hygienist to determine if the ground appears to present exposure concerns for the construction people involved. Suitable protective equipment will be provided as judged necessary.

4. The sewer is expected to have the capacity to handle a 5 year frequency storm with a 15 minute duration. A greater quantity of storm water will result in flooding which is equivalent to the present situation.

5. Ground contamination on Monsanto property from ex-Monsanto waste sewers is expected to continue until the Village decides to repair the sewers. Monsanto will probably pay the bulk of the repair cost (by assessment) so if the plant considers this an environmental hazard it should push for repair following completion of this project.

6. Contaminated excavated earth will be stockpiled for disposal in an appropriate landfill. Landfill charges will be expensed.

7. The plant environmental staff chooses not to request a permit from Illinois EPA, based on the project being a replacement of an existing sewer, and representing no increase in sewer load.

8. The project is expected to have the potential for a favorable impact on the environment due to reduced contamination of ground water. A formal statement will be prepared to meet the project schedule.

JF Giblin

John F. Giblin

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